

INTERNATIONAL SEARCH REPORT

 Internat Application No
 PCT/GB 03/04739

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 F02M55/02 F02M55/00 F02M57/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 F02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 704 619 A (DAIMLER BENZ AG) 3 April 1996 (1996-04-03)	1-3, 10
Y	column 2, line 12 - column 3, line 2; figures 1-3	4-8
X	DE 195 44 241 A (VOLKSWAGENWERK AG) 13 June 1996 (1996-06-13)	1, 9
Y	column 3, line 65 - column 4, line 17; figures 1, 3	4, 6-8
Y	DE 101 08 572 A (CATERPILLAR INC) 27 September 2001 (2001-09-27)	5
	column 3, line 1 - line 8; figures 1, 5	
X	DE 100 00 384 A (VOLKSWAGENWERK AG) 12 July 2001 (2001-07-12)	1, 9
A	column 2, line 38 - column 4, line 1; figures 1-6	4
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

16 March 2004

Date of mailing of the international search report

22/03/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 38 26 144 A (VOEST ALPINE AUTOMOTIVE)	1,9
A	15 February 1990 (1990-02-15) column 4, line 24 - line 51; figure 1	4,6-8

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/04739

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0704619	A	03-04-1996	DE 4434783 A1	11-04-1996
			DE 59500080 D1	13-02-1997
			EP 0704619 A1	03-04-1996
			US 5553592 A	10-09-1996
DE 19544241	A	13-06-1996	DE 19544241 A1	13-06-1996
DE 10108572	A	27-09-2001	DE 10108572 A1	27-09-2001
DE 10000384	A	12-07-2001	DE 10000384 A1	12-07-2001
DE 3826144	A	15-02-1990	DE 3826144 A1	15-02-1990